

ABSTRACT

Devices and methods that prevent clotting of blood during blood-processing procedures such as hemofiltration, hemodialysis, hemodiafiltration, and peritoneal dialysis are described. The device comprises a cap and a housing that is

5 shaped to receive a blood filter. The housing has an inlet for blood and may have an outlet for waste and ultrafiltrate. The cap is attached to the housing. The cap has an outlet for blood and a port adjacent the outlet for receiving dilution fluid. Methods of use during blood-processing procedures to provide immediate hemodilution to blood exiting a filter are also described.